

CLAIMS

What is claimed is:

1 1. A method for remotely managing a wireless device over a wireless network
2 comprising a server and the wireless device, the wireless network operable to
3 communicatively connect the server and the wireless device, the method comprising the
4 steps of:

5 transmitting registration information relating to the wireless device from the
6 wireless device to the server;

7 verifying the registration information at the server;

8 establishing a mailbox for the wireless device at the server;

9 placing a command for the wireless device in the mailbox;

10 delivering the command from the mailbox to the wireless device; and

11 executing the command at the wireless device.

1 2. The method of claim 1, wherein the delivering step comprises the steps of:

2 establishing a connection between the wireless device and the server;

3 transmitting a request for contents of the mailbox from the wireless device to the
4 server; and

5 transmitting the contents of the mailbox from the server to the wireless device.

1 3. The method of claim 2, wherein the connection is established periodically.

1 4. The method of claim 2, wherein the connection is established based on a
2 threshold condition.

1 5. The method of claim 1, wherein the delivering step comprises the steps of:
2 establishing a connection between the wireless device and the server;
3 transmitting the contents of the mailbox from the server to the wireless device
4 without a request from the wireless device; and
5 accepting the contents of the mailbox at the wireless device.

1 6. The method of claim 5, wherein the connection is established periodically.

1 7. The method of claim 5, wherein the connection is established based on a
2 threshold condition.

1 8. The method of claim 1, wherein the command comprises one of:
2 enabling/disabling access of the wireless device to the server;
3 enabling/disabling applications that may run on the wireless device;
4 erasing all or part of contents of the wireless device;
5 transmitting new programs and data to the wireless device;
6 querying a current state of the wireless device;

7 monitoring a level of a battery in the wireless device; and
8 monitoring the location of the wireless device in the wireless network.

1 9. The method of claim 1, further comprising the step of:
2 transmitting information relating to execution of the command at the wireless
3 device from the wireless device to the server.

1 10. The method of claim 9, wherein the information relating to execution of the
2 command is transmitted periodically.

1 11. The method of claim 9, wherein the information relating to execution of the
2 command is transmitted based on a threshold condition of the wireless device.

1 12. A method for remotely managing a wireless device over a wireless network
2 comprising the steps of:

3 receiving registration information from the wireless device;
4 verifying the received registration information;
5 placing a command for the wireless device in a mailbox; and
6 delivering the command to the wireless device.

1 13. The method of claim 12, wherein the delivering step comprises the steps of:

2 establishing a connection with the wireless device;
3 receiving a request for contents of the mailbox from the wireless device; and
4 transmitting the contents of the mailbox to the wireless device.

1 14. The method of claim 13, wherein the connection is established periodically.

1 15. The method of claim 13, wherein the connection is established based on a
2 threshold condition.

1 16. The method of claim 12, wherein the delivering step comprises the steps of:
2 establishing a connection with the wireless device; and
3 transmitting the contents of the mailbox to the wireless device without a request
4 from the wireless device.

1 17. The method of claim 16, wherein the connection is established periodically.

1 18. The method of claim 16, wherein the connection is established based on a
2 threshold condition.

1 19. The method of claim 12, wherein the command comprises one of:
2 enabling/disabling access of the wireless device to the server;

3 enabling/disabling applications that may run on the wireless device;
4 erasing all or part of contents of the wireless device;
5 transmitting new programs and data to the wireless device;
6 querying a current state of the wireless device;
7 monitoring a level of a battery in the wireless device; and
8 monitoring the location of the wireless device in the wireless network.

1 20. The method of claim 12, further comprising the step of:

2 receiving information relating to execution of the command at the wireless
3 device from the wireless device.

1 21. A system for remotely managing a wireless device over a wireless network, the
2 system comprising:

3 a processor operable to execute computer program instructions; and
4 a memory operable to store computer program instructions executable by the
5 processor, for performing the steps of:
6 receiving registration information from the wireless device;
7 verifying the received registration information;
8 placing a command for the wireless device in a mailbox; and
9 delivering the command to the wireless device.

1 22. The system of claim 21, wherein the delivering step comprises the steps of:
2 establishing a connection with the wireless device;
3 receiving a request for contents of the mailbox from the wireless device; and
4 transmitting the contents of the mailbox to the wireless device.

1 23. The system of claim 22, wherein the connection is established periodically.

1 24. The system of claim 22, wherein the connection is established based on a
2 threshold condition.

1 25. The system of claim 21, wherein the delivering step comprises the steps of:
2 establishing a connection with the wireless device; and
3 transmitting the contents of the mailbox to the wireless device without a request
4 from the wireless device.

1 26. The system of claim 25, wherein the connection is established periodically.

1 27. The system of claim 25, wherein the connection is established based on a
2 threshold condition.

1 28. The system of claim 21, wherein the command comprises one of:

2 enabling/disabling access of the wireless device to the server;
3 enabling/disabling applications that may run on the wireless device;
4 erasing all or part of contents of the wireless device;
5 transmitting new programs and data to the wireless device;
6 querying a current state of the wireless device;
7 monitoring a level of a battery in the wireless device; and
8 monitoring the location of the wireless device in the wireless network.

1 29. The system of claim 21, further comprising the step of:

2 receiving information relating to execution of the command at the wireless
3 device from the wireless device.

1 30. A computer program product for remotely managing a wireless device over a
2 wireless network, comprising:

3 a computer readable medium;
4 computer program instructions, recorded on the computer readable medium,
5 executable by a processor, for performing the steps of
6 receiving registration information from the wireless device;
7 verifying the received registration information;
8 placing a command for the wireless device in a mailbox; and
9 delivering the command to the wireless device.

1 31. The computer program product of claim 30, wherein the delivering step
2 comprises the steps of:

3 establishing a connection with the wireless device;

4 receiving a request for contents of the mailbox from the wireless device; and

5 transmitting the contents of the mailbox to the wireless device.

1 32. The computer program product of claim 31, wherein the connection is
2 established periodically.

1 33. The computer program product of claim 31, wherein the connection is
2 established based on a threshold condition.

1 34. The computer program product of claim 30, wherein the delivering step
2 comprises the steps of:

3 establishing a connection with the wireless device; and

4 transmitting the contents of the mailbox to the wireless device without a request

5 from the wireless device.

1 35. The computer program product of claim 34, wherein the connection is
2 established periodically.

1 36. The computer program product of claim 34, wherein the connection is
2 established based on a threshold condition.

1 37. The computer program product of claim 30, wherein the command comprises
2 one of:

- 3 enabling/disabling access of the wireless device to the server;
- 4 enabling/disabling applications that may run on the wireless device;
- 5 erasing all or part of contents of the wireless device;
- 6 transmitting new programs and data to the wireless device;
- 7 querying a current state of the wireless device;
- 8 monitoring a level of a battery in the wireless device; and
- 9 monitoring the location of the wireless device in the wireless network.

1 38. The computer program product of claim 30, further comprising the step of:
2 receiving information relating to execution of the command at the wireless
3 device from the wireless device.